

whereby said fluorescent dye is reduced in fluorescence emission when said probe is hybridized with said target nucleic acid, wherein said fluorescent dye is selected from the group consisting of 6-joe, BODIPY TMR, Alexa 488, and Alexa 532.

24. (Twice Amended) The device according to claim 23, wherein said probes or said different probes are arranged and bound in an array pattern on said surface of said solid support.

47. (Twice Amended) A nucleic acid probe for determining a concentration of a target nucleic acid, said probe being labeled with a fluorescent dye, wherein:

said probe is labeled at an end portion thereof with said fluorescent dye, and

said probe has a base sequence designed such that, when said probe is hybridized with said target nucleic acid, base pairs in a probe-nucleic acid hybrid complex form at least one G (guanine) and C (cytosine) pair at said end portion;

whereby said fluorescent dye is reduced in fluorescence emission when said probe is hybridized with said target nucleic acid, wherein said probe has G or C as a 3' end base and is labeled at said 3' end thereof with said fluorescent dye, wherein said fluorescent dye is selected from the group consisting of 6-joe, BODIPY TMR, Alexa 488, and Alexa 532.

69. (Amended) The device according to claim 68, wherein said probes or said different probes are arranged and bound in an array pattern on said surface of said solid support.